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100. INITIALIZE THE SUBDIVISION MATRICES
S\_{sc,T,K,L}(S\_{1}(J),S\_{2}(J)), J=0,1,2 AS DESCRIBED IN
CONNECTION WITH EQUATION (19)

(101. GENERATE THE MATRIX PRODUCTS S\_{sc,T,K,L,LP}(J)(S\_{1},S\_{2}) FOR J=2,3; FOR J=1, S\_{sc,T,K,L,LP}(1)(S\_{1},S\_{2})=S\_{sc,T,K,L}(S\_{1},S\_{2}), AND FOR J=0, S\_SC,T,K,L,LP}(0)(S\_{1},S\_{2}) IS THE ("K+1"-BY-"K+1" IDENTITY MATRIX I\_{K+1}

102. USE THE FIRST ROW OF EACH MATRIX PRODUCT S\_{sc,T,K,L,LP}(J)(S\_{1},S\_{2}), J=0, 1, 2, 3, TO GENERATE COMPONENT-WISE AN APPROXIMATION TO LIMIT POINT WEIGHT VECTOR I\_{LP} IN ACCORDANCE WITH THE EXTRAPOLATION FORMULA IN EQUATION (41)

/103. USE THE MATRIX PRODUCTS

S\_{sc,T,K,L,LP}(J)(S\_{1},S\_{2}), DILATION FACTOR d(K)

AND VECTORS v\_{C} AND v\_{S} TO GENERATE THE

VECTORS I\_{C}(J) AND I\_{S}(J), J=1, 2, AND 3 AS

DESCRIBED IN CONNECTION WITH EQUATION (43); FOR

J=0, THE RESPECTIVE TANGENT VECTOR WEIGHT

VECTORS ARE I\_{C}(0)=v\_{C} AND I\_{S}(0)=v\_{S}

104. USE VECTORS I\_{C}(J) AND I\_{S}(J) TO GENERATE APPROXIMATIONS TO THE TANGENT VECTOR WEIGHT VECTORS I\_{C} AND I\_{S} IN ACCORDANCE WITH EQUATION (46)

105. USE THE LIMIT POINT WEIGHT VECTOR I\_{LP} AND TANGENT VECTOR WEIGHT VECTORS I\_{C} AND I\_{S}, ALONG WITH THE POSITIONS OF THE VERTEX v\_{q}(0) AND NEIGHBORING POINTS v\_{q}(1) THROUGH v\_{q}(K) TO GENERATE THE LIMIT POINT AND TANGENT VECTORS AS DESCRIBED IN CONNECTION WITH EQUATIONS (30) AND (37), RESPECTIVELY; THE NORMAL VECTOR CAN ALSO BE GENERATED AS THE CROSS PRODUCT BETWEEN THE TANGENT VECTORS

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